

L4 ANSWER 1 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AN 2002:47457 AGRICOLA

DN IND23281536

TI Resistance against **herbicide isoxaben** and cellulose deficiency caused by distinct mutations in same **cellulose synthase** isoform CESA6. ✓

AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.; Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.

AV DNAL (450 P692)

SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490
 Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
 CODEN: PLPHAY; ISSN: 0032-0889

NTE Includes references

CY Maryland; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L4 ANSWER 2 OF 2 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2003) on STN

AN 2001:83623 AGRICOLA

DN IND23239703

TI Modifications of **cellulose synthase** confer resistance to **isoxaben** and thiazolidinone **herbicides** in Arabidopsis Ixrl mutants. ✓

AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.

AV DNAL (500 N21P)

SO Proceedings of the National Academy of Sciences of the United States of America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084
 Publisher: Washington, D.C. : National Academy of Sciences,
 CODEN: PNASA6; ISSN: 0027-8424

NTE Includes references

CY District of Columbia; United States

DT Article; Conference

FS U.S. Imprints not USDA, Experiment or Extension

LA English

L3 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:658276 CAPLUS
 DN 137:198479
 TI Genes essential for early growth of Arabidopsis thaliana and their use in the development of novel **herbicides**
 IN Plesch, Gunnar; Blau, Astrid; Daeschner, Klaus; Klein, Mathieu
 PA Metanomics G.m.b.H. & Co. K.-G.a.A., Germany
 SO PCT Int. Appl., 224 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2002066660	A2	20020829	WO 2002-EP1466	20020213
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	DE 10107843	A1	20021017	DE 2001-10107843	20010216
	DE 10125537	A1	20030424	DE 2001-10125537	20010523
PRAI	DE 2001-10107843	A	20010216		
	DE 2001-10125537	A	20010523		

L3 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2002:658781 CAPLUS
 DN 137:196691
 TI Cloning cDNAs encoding plant **cellulose synthases** and their potential use in improving plant stalk quality in transgenic plants or for **herbicide** development
 IN Allen, Stephen M.
 PA USA
 SO U.S. Pat. Appl. Publ., 76 pp., Cont.-in-part of U.S. Ser. No. 720,383.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2002120124	A1	20020829	US 2001-900237	20010706
	WO 2000004166	A2	20000127	WO 1999-US15871	19990713
	WO 2000004166	A3	20000427		
	W:				
	AE, AL, AU, BA, BB, BG, BR, CA, CN, CU, CZ, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LT, LV, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, SL, TR, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW:				
	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRAI	US 1998-92844P	P	19980714		
	WO 1999-US15871	W	19990713		
	US 2000-720383	A2	20001221		

L3 ANSWER 3 OF 13 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.

TI Recent progress in studies on cellulose biosynthesis in plants.
 AU Delmer, Deborah P.
 CS Section of Plant Biology, University of California, Davis, CA, 95616, USA
 SO Book of Abstracts, 219th ACS National Meeting, San Francisco, CA, March
 26-30, 2000 (2000), CELL-002 Publisher: American Chemical Society,
 Washington, D. C.
 CODEN: 69CLAC
 DT Conference; Meeting Abstract
 LA English

L3 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1998:795138 CAPLUS
 DN 130:62017
 TI In situ modification of plant genes for improved herbicide
 resistance
 IN Hawkes, Timothy Robert; Greenland, Andrew James; Evans, Ian Jeffrey
 PA Zeneca Limited, UK
 SO PCT Int. Appl., 49 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9854330	A1	19981203	WO 1998-GB1499	19980522
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
	GB 2326163	A1	19981216	GB 1998-11138	19980522
	AU 9875414	A1	19981230	AU 1998-75414	19980522
	EP 1017825	A1	20000712	EP 1998-922954	19980522
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
	JP 2002503101	T2	20020129	JP 1999-500360	19980522
PRAI	GB 1997-11015	A	19970528		
	WO 1998-GB1499	W	19980522		
RE.CNT 6	THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT				

L3 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1991:673290 CAPLUS
 DN 115:273290
 TI Strategy and methods in screening of new microbial metabolites for plant
 protection
 AU Omura, Satoshi; Tanaka, Toshitake
 CS Res. Cent. Biol. Funct., Kitasato Inst., Tokyo, 108, Japan
 SO Pestic. Chem.: Adv. Int. Res., Dev., Legis., Proc. Int. Congr. Pestic.
 Chem., 7th (1991), Meeting Date 1990, 87-96. Editor(s): Frehse, Helmut.
 Publisher: VCH, Weinheim, Fed. Rep. Ger.
 CODEN: 57LPAA
 DT Conference; General Review
 LA English

L3 ANSWER 12 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1988:99942 BIOSIS
 DN BR34:46284
 TI EFFECTS OF 2 6 DCB ON PLASMA MEMBRANE ROSETTES OF WHEAT ROOT CELLS.
 AU HERTH W
 CS ZELLENLEHRE UNIV., D-6900 HEIDELBERG.

SO Naturwissenschaften, (1987) 74 (11), 556-557.
CODEN: NATWAY. ISSN: 0028-1042.
FS BR; OLD
LA English

L3 ANSWER 13 OF 13 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 5
AN 1987:362920 BIOSIS
DN BA84:60323
TI IDENTIFICATION OF A RECEPTOR PROTEIN IN COTTON FIBERS FOR THE
HERBICIDE 2 6 DICHLOROBENZONITRILE.
AU DELMER D P; READ S M; COPPER G
CS DEP. BOTANY, INST. LIFE SCIENCES, HEBREW UNIV., JERUSALEM, ISRAEL:
SO PLANT PHYSIOL (BETHESDA), (1987) 84 (2), 415-420.
CODEN: PLPHAY. ISSN: 0032-0889.
FS BA; OLD
LA English

=> d his

(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003

L1 543 S CELLULOSE SYNTHASE
L2 24 S L1 AND HERBICIDE
L3 13 DUP REM L2 (11 DUPLICATES REMOVED)

(2003) on STN

DUPLICATE 1

AN 2003:35536 AGRICOLA
DN IND23325757
TI Dimerization of cotton fiber **cellulose synthase**
catalytic subunits occurs via oxidation of the zinc-binding domains.
AU Kurek, I.; Kawagoe, Y.; Jacob-Wilk, D.; Doblin, M.; Delmer, D.
AV DNAL (500 N21P)
SO Proceedings of the National Academy of Sciences of the United States of
America, Aug 20, 2002. Vol. 99, No. 17. p. 11109-11114 ✓
Publisher: Washington, D.C. : National Academy of Sciences,
CODEN: PNASA6; ISSN: 0027-8424
NTE Includes references
CY District of Columbia; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

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(2003) on STN DUPLICATE 2

AN 2002:47457 AGRICOLA
DN IND23281536
TI Resistance against **herbicide** isoxaben and cellulose deficiency
caused by distinct mutations in same **cellulose synthase**
isoform CESA6.
AU Desprez, T.; Vernhettes, S.; Fagard, M.; Refregier, G.; Desnos, T.;
Aletti, E.; Py, N.; Pelletier, S.; Hofte, H.
AV DNAL (450 P692)
SO Plant physiology, Feb 2002. Vol. 128, No. 2. p. 482-490
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
CODEN: PLPHAY; ISSN: 0032-0889
NTE Includes references
CY Maryland; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 5 OF 13 AGRICOLA Compiled and distributed by the National
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(2003) on STN DUPLICATE 3

AN 2001:83623 AGRICOLA
DN IND23239703
TI Modifications of **cellulose synthase** confer resistance
to isoxaben and thiazolidinone **herbicides** in Arabidopsis *Ixrl*
mutants.
AU Scheible, W.R.; Eshed, R.; Richmond, T.; Delmer, D.; Somerville, C.
AV DNAL (500 N21P)
SO Proceedings of the National Academy of Sciences of the United States of
America, Aug 28, 2001. Vol. 98, No. 18. p. 10079-10084
Publisher: Washington, D.C. : National Academy of Sciences, *on*
CODEN: PNASA6; ISSN: 0027-8424
NTE Includes references
CY District of Columbia; United States
DT Article; Conference
FS U.S. Imprints not USDA, Experiment or Extension
LA English

L3 ANSWER 6 OF 13 AGRICOLA Compiled and distributed by the National
Agricultural Library of the Department of Agriculture of the United States
of America. It contains copyrighted materials. All rights reserved.
(2003) on STN DUPLICATE 4

AN 2002:9276 AGRICOLA

DN IND23249628
 TI The experimental **herbicide** CGA 325'615 inhibits synthesis of crystalline cellulose and causes accumulation of non-crystalline beta-1,4-glucan associated with Cesa protein.
 AU Peng, L.; Xiang, F.; Roberts, E.; Kawagoe, Y.; Greve, L.C.; Kreuz, K.; Delmer, D.P.
 AV DNAL (450 P692)
 SO Plant physiology, July 2001. Vol. 126, No. 3. p. 981-992
 Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-
 CODEN: PLPHAY; ISSN: 0032-0889
 NTE Includes references
 CY Maryland; United States
 DT Article; Conference
 FS U.S. Imprints not USDA, Experiment or Extension
 LA English

L3 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2001:197944 CAPLUS
 TI Cesa genes and their role in cellulose synthesis
 AU Delmer, Deborah P.; Peng, Liancai; Doblin, Monika; Hogan, Pat; Jacob-Wilk, Debbie; Eshed, Ravit
 CS Section of Plant Biology, University of California Davis, Davis, CA, 95616, USA
 SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-106
 CODEN: ACSRAL; ISSN: 0065-7727
 PB American Chemical Society
 DT Journal; Meeting Abstract
 LA English

L3 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:824429 CAPLUS
 DN 133:359795
 TI The rice actin 2 promoter and intron and their use for plant transformation
 IN McElroy, David; Wu, Ray
 PA Dekalb Genetics Corporation, USA; Cornell Research Foundation, Inc.
 SO PCT Int. Appl., 180 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000070067	A1	20001123	WO 2000-US13303	20000512
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG US 6429357 B1 20020806 US 1999-312304 19990514 EP 1179081 A1 20020213 EP 2000-942636 20000512 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO PRAI US 1999-312304 A1 19990514 WO 2000-US13303 W 20000512				

RE.CNT 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2000:327860 CAPLUS

1,4,5

L10 ANSWER 1 OF 5 AGRICOLA Compiled and distributed by the National
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of America. It contains copyrighted materials. All rights reserved.
(2003) on STN
AN 2002:62357 AGRICOLA
DN IND23290379
TI Plant callose synthase complexes.
AU Verma, D.P.S.; Hong, Z.
AV DNAL (QK710.P62)
SO Plant molecular biology, Dec 2001. Vol. 47, No. 6. p. 693-701
Publisher: Dordrecht : Kluwer Academic Publishers.
CODEN: PMBIDB; ISSN: 0167-4412
NTE Includes references
CY Netherlands
DT Article; Law
FS Non-U.S. Imprint other than FAO
LA English

L10 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:197920 CAPLUS
TI Cellulose structure and biosynthesis: New insights
AU Brown, R. Malcolm, Jr.
CS Section of Molecular Genetics and Microbiology, The University of Texas at
Austin, Austin, TX, 78712, USA
SO Abstracts of Papers - American Chemical Society (2001), 221st, CELL-083
CODEN: ACSRAL; ISSN: 0065-7727
PB American Chemical Society
DT Journal; Meeting Abstract
LA English

L10 ANSWER 5 OF 5 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1998:288438 CAPLUS
DN 129:27021
TI Plant cell walls are targets for biotechnology
AU Chapple, Clint; Carpita, Nick
CS Department of Biochemistry, Purdue University, West Lafayette, IN, 47907,
USA
SO Current Opinion in Plant Biology (1998), 1(2), 179-185
CODEN: COPBFZ; ISSN: 1369-5266
PB Current Biology Ltd.
DT Journal; General Review
LA English

RE.CNT 52 THERE ARE 52 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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(FILE 'HOME' ENTERED AT 15:19:29 ON 22 JUL 2003)

FILE 'AGRICOLA, BIOSIS, CAPLUS, EMBASE' ENTERED AT 15:19:35 ON 22 JUL 2003

L1 543 S CELLULOSE SYNTHASE
L2 24 S L1 AND HERBICIDE
L3 13 DUP REM L2 (11 DUPLICATES REMOVED)
L4 2 S L3 AND ISOXABEN
L5 7 S L1 AND (ISOXABEN OR THIAZOLIDINONE)
L6 2 DUP REM L5 (5 DUPLICATES REMOVED)
L7 59 S L1 AND REVIEW
L8 48 DUP REM L7 (11 DUPLICATES REMOVED)
L9 0 S L8 AND TRANSGENE
L10 5 S L8 AND TRANSGEN#####